User Manual of Gas/LPG Detector

Product Name: **Gas Alarm (carbon monoxide alarm)**

220/240/110V POWERED GAS LEAKAGE ALARM

Features:

- Hot wire type sensor
- Easy installation and maintenance
- Modernized design
- Detect all sorts of combustible gases, LPG and LNG include city gas
- Ideal for all kitchens
- Excellent reliability & high stability
- Self test function
- Durable sensor head
- Less affected by other organic solvent
- High Accuracy
- AC-DC adaptor included
- Loud sound signal of 85dB at alarm mode
- 18 months warranty period
- Suitable for the safety valve

SPECIFICATIONS:

- Power Supply: 220/110 V AC
- Sensitivity: 10%LEL
- Power Consumption: 1.7w
- Operating Temperature: -10℃~50℃
- Ambient Humidity: less than 95%RH
- Horn Level: 75 dB at 10 feet
- Standby Mode: Green LED on
- Alarm Mode: Red LED flashes and an acoustic alarm
- Type of gas sensed: Natural gas, town gas, carbon monoxide, LPG
- Product size: 110x70x36mm
- Package size: 48x42x33.5mm
- QTY/box: 87pcs

Compliance and Installation

i. Installation should be according to gas weight
   a. For natural gas and city household gas, which are a bit lighter than air, gas detector should be installed 1.3m to 1.2meters under ceiling and 1.5meters near gas sources.
   b. For liquid oil gas, which is a bit heavier than air and sink down to a lower level, the gas detector should be installed above 0.3—1.2meters and 1.5meters near gas sources.

ii. Pay much attention to the following items when installing:
   a. Don’t opposite to the gas smoke or steam

b. Don’t leave the position where there is floating air
c. Don’t make it been covered by curtain or cupboard.
d. Don’t be installed in the wet place such as bathroom or steam room.

iii. When working with alarm system together, you can press the test button to make sure it can check code with control system.

Guide of Use

i. Reheat status:

Wired/ wireless gas detector: Connect AC 200V, or 110V, the green LED flash that shows that the gas detector is in the status of reheat.

ii. Controlling and surveillance status:

A: Wired/ wireless gas detector: After 3 minutes, the green LED is on that shows that the detector is in the surveillance status.

B: wireless gas detector: After 3 minutes, the green LED is on, but the red one is off that shows that the detector is in the surveillance status.

iii. Alarm status:

The buzzer sounds emergent alarm with red LED on when the concentration of gas up to the alarm concentration

iv. Back to the original status

Alarm will stop when the concentration reduce under the required point.

The process of alarm: How to do when alarming?

Answer:

a. Shut the brake of gas channel.
b. Open all windows and doors to set the gas out.
c. Don’t turn any electronic switch, cell phone or door bell, which can be very dangerous and possible to make a fire.
d. Don’t use match or lighter; At the same time, cut all fire source.
e. Don’t seek for the fire source with fire and don’t cut the power of gas detector, because it will stop alarming after leaked gas disappears.
f. Find out the reason of gas leak and maintain it.

Test and Maintenance

i. When testing, press the test button (the black point on the side) and last two second. It shows that it is working normally when the gas detector sound loud and clear alarm, the red LED flashing. You also can put smoke into the inside of detector, and you will hear clear and silvery pulsant signal.(Test once per week to make sure it works well)

ii. Simple maintenance:
Clean it every 6 months. Cut off the power before cleaning; clean the dust with soft brush and then turn on the power.

iii. Something important when cleaning.

a. Don’t wash directly it with chemical
b. Don’t use excitant substance such as fixtures, oil paint, plenty of wine.
c. It is forbidden to clean with water or wet inside.
d. Don’t break or separate the smoke detector.